

**Amendments to the Claims**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims**

1-52. (cancelled)

53. (Currently Amended) A medical device, comprising:

an elongate tubular member having a plurality of slots formed therein;

a liner disposed within the tubular member, the liner having an outer surface and a plurality of corrugations formed along the outer surface, wherein at least some of the plurality of corrugations are disposed at longitudinal positions along the medical device substantially corresponding to longitudinal positions of at least some of the plurality of slots; and

a coil disposed along the outer surface of the liner.

54. (Previously Presented) The medical device of claim 53, wherein the corrugations include outward corrugations.

55. (Previously Presented) The medical device of claim 53, wherein the corrugations include inward corrugations.

56. (Previously Presented) The medical device of claim 55, further comprising a second coil disposed in the inward corrugations.

57. (Previously Presented) The medical device of claim 53, wherein the coil is a ribbon coil.

58. (Previously Presented) The medical device of claim 53, further comprising a polymeric member disposed over the coil and the liner.

59. (Previously Presented) The medical device of claim 53, wherein the tubular member has a longitudinal axis, wherein at least some of the plurality of slots are arranged in groups that are disposed at the same location along the longitudinal axis of the tubular member, and wherein at least some of the groups include three slots.

60. (Previously Presented) The medical device of claim 59, wherein the groups of slots include a first group at a first position along the longitudinal axis of the tubular member and a second group adjacent the first group at a second position along the longitudinal axis of the tubular member, and wherein the second group is rotated relative to the first group.

61. (Previously Presented) The medical device of claim 60, wherein the second group is rotated by an angle greater than 50 degrees and less than 70 degrees relative to the first group.

62. (Previously Presented) The medical device of claim 61, wherein the second group is rotated by an angle of about 55 degrees relative to the first group.

63. (Currently Amended) A medical device, comprising:  
an elongate tubular member having a plurality of slots formed therein;  
a liner disposed within the tubular member, the liner having an outer surface and a plurality of inward corrugations formed along the outer surface, wherein at least some of the plurality of inward corrugations are disposed at longitudinal positions along the medical device substantially corresponding to longitudinal positions of at least some of the plurality of slots; and  
an anti-collapsing structure disposed along the outer surface of the liner.

64. (Previously Presented) The medical device of claim 63, wherein the anti-collapsing structure includes a coil.

65. (Previously Presented) The medical device of claim 64, wherein the coil is a ribbon coil.

66. (Previously Presented) The medical device of claim 63, further comprising a coil disposed in the inward corrugations.

67. (Currently Amended) The medical device of claim [[63]] 66, further comprising a polymeric member disposed over the coil and the anti-collapsing structure.

68. (Currently Amended) A medical device, comprising:  
an elongate tubular member having a plurality of slots formed therein;  
a corrugated liner disposed within the tubular member, wherein at least some corrugations of the corrugated liner are disposed at longitudinal positions along the medical device substantially corresponding to longitudinal positions of at least some of the plurality of slots;  
an anti-collapsing structure coupled to the corrugated liner; and  
a polymer sleeve disposed over the corrugated liner and the anti-collapsing structure.

69. (Previously Presented) The medical device of claim 68, wherein the corrugations include outward corrugations.

70. (Previously Presented) The medical device of claim 68, wherein the corrugations include inward corrugations.

71. (Previously Presented) The medical device of claim 70, further comprising a coil disposed in the inward corrugations.

72. (Previously Presented) The medical device of claim 68, wherein the anti-collapsing structure includes a coil.

73. (Previously Presented) The medical device of claim 72, wherein the coil is a ribbon coil.

74. (Currently Amended) A method for manufacturing a medical device, the method comprising:

providing a tubular member having a plurality of slots formed therein, wherein at least some of the plurality of slots have a substantial transverse component with respect to a long axis of the medical device;

providing a liner;

forming a plurality of corrugations in the liner, wherein at least some of the plurality of corrugations are disposed at longitudinal positions along the medical device substantially corresponding to longitudinal positions of at least some of the plurality of slots; and

disposing the liner within the tubular member.

75. (Previously Presented) The method of claim 74, wherein forming a plurality of corrugations in the liner includes applying pressure to the liner, stretching the liner, or molding the liner.

76. (Currently Amended) A method for manufacturing a medical device, the method comprising:

providing a tubular member having a plurality of slots formed therein, wherein at least some of the plurality of slots have a substantial transverse component with respect to a long axis of the medical device;

providing a liner;

forming a plurality of inward corrugations in the liner, wherein at least some of the plurality of inward corrugations are disposed at longitudinal positions along the medical device substantially corresponding to longitudinal positions of at least some of the plurality of slots; and

disposing the liner within the tubular member.